




SUBMITTAL

Teel BQ Composite Pipe consists of 3 layers, with 20% glass fiber / PP-RCT, sandwiched between PP-RCT material in the inner layer and on the surface layer i.e., PP-RCT / GF / PP-RCT. Composite pipes have a lower thermal expansion co-efficient when transporting hot fluids, and can be used in chilled and hot water recirculation systems, process water applications, compressed air/gas, hydrocarbons and potable water applications.

	MANUFACTURING STANDARDS		
	ASTM F-2389, NSF/ANSI-14, NSF-61, CSA B137.11, ICC-ES		
Job		Representative	Date
Page #		Order #	
Engineer		Submitted By	
Contractor		Approved By	
SDR	17.6	Comments	
Part #			
Pipe O.D.			
Qty / Length			

PART #	SDR	DIMENSION NOM ID / OD	DIAMETER (mm)	WALL THICKNESS (mm)	INTERNAL DIAMETER (mm)	WATER CAPACITY (gal / ft)	FLOW RATE (8 ft/second)	WEIGHT DRY (lb/ft)
BQ12507110FC	17.6	4" - 125mm	125	7.1	110.8	0.777	372.5 gpm	1.80
BQ16009110FC	17.6	6" - 160mm	160	9.1	141.8	1.272	610.0 gpm	2.93
BQ20011410FC	17.6	8" - 200mm	200	11.4	177.2	1.986	952.7 gpm	4.57
BQ25014210FC	17.6	10" - 250mm	250	14.2	221.6	3.106	1489.9 gpm	7.11
BQ31517910FC	17.6	12" - 315mm	315	17.9	279.2	4.931	2365.0 gpm	11.25
BQ35520110FC	17.6	14" - 355mm	355	20.1	314.8	6.269	3006.6 gpm	14.25
BQ40022710FC	17.6	16" - 400mm	400	22.7	354.6	7.954	3814.9 gpm	18.10
BQ45025510FC	17.6	18" - 450mm	450	25.5	399.0	10.070	4830.1 gpm	22.86
BQ50028410FC	17.6	20" - 500mm	500	28.4	443.2	12.425	5959.5 gpm	28.27
BQ56031710FC	17.6	22" - 560mm	560	31.7	496.6	15.600	7482.1 gpm	35.31
BQ63035710FC	17.6	24" - 630mm	630	35.7	558.6	19.738	9467.0 gpm	44.71

Photographs of product shown in this publication are used for representational purposes only. All data and specifications are subject to change without notification.

Temperature		Pressure Rating (PSI)*					
Celsius	Fahrenheit	SDR 17.6	SDR 11	SDR 9	SDR 7.4	SDR 6	SDR 5
2	35	172	285	356	445	570	713
4	40	166	275	344	430	550	687
10	50	154	255	319	399	511	638
17	60	143	237	296	370	473	592
23	73	129	214	267	334	427	534
27	80	122	202	252	315	404	504
32	90	112	186	232	290	371	464
38	100	103	170	213	266	341	426
43	110	94	156	195	244	312	390
49	120	86	142	178	223	285	356
54	130	78	130	162	203	260	324
60	140	71	118	147	184	236	295
66	150	64	107	134	167	214	268
71	160	58	97	121	152	194	242
77	170	53	88	110	137	176	219
82	180	48	79	99	124	159	199
88	190	43	72	90	112	144	180
93	200	39	65	82	102	131	164

*Calculations based on ASTM F2389 X1.1.2. See TeelBQ's Borealis PP-RCT technical paper for more information (http://www.isco-pipe.com/workspace/uploads/pp-rct_new_material_class.pdf).